IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	
Eduard BRUEHWILER et al.	Art Unit: [to be assigned]
Application No.: [to be assigned]	Examiner: [to be assigned]
Filing Date: [on even date herewith]	Attorney Ref. No.: 003-115
For: METHOD OF INSTALLING SPIRAL THREADED INSERTS AND INSTALLATION TOOL FOR CARRYING OUT THE METHOD	

PRELIMINARY AMENDMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to taking up this new patent application for action on the merits, please amend the application as follows.

IN THE CLAIMS:

Kindly rewrite Claims 1-18 and add Claims 19 and 20 as follows:

1. (Currently Amended) A method of installing spiral threaded inserts ~~(19, 38), in which~~ the method comprising:

inserting a first threaded insert ~~(19, 38) is inserted~~ into an installation tool; ~~(20) and is screwed~~

securing the first threaded insert in the installation tool to prevent the insert from falling out; and

screwing the first threaded insert into a tapped hole ~~(18) by means of~~ with the installation tool ~~(20), characterized in that the first threaded insert (19, 38) is secured in the installation tool (20) to prevent it from falling out~~.

2. (Currently Amended) The method as claimed in claim 1, ~~characterized in that the~~ wherein each threaded ~~inserts (19, 38) in each case have~~ insert has a driving tang ~~(40), in that~~, and further comprising:

securing the first threaded insert ~~(19, 38) is secured~~ in the installation tool ~~(20)~~ on the driving tang ~~(40)~~ to prevent ~~it~~ the first threaded insert from falling out~~,~~; and ~~in that~~

cutting off the driving tang ~~(40) is cut off~~ from the first threaded insert ~~(19, 38)~~ after ~~the installation of~~ securing the first threaded insert ~~(19, 38)~~.

3. (Currently Amended) The method as claimed in claim 2, ~~characterized in that~~ wherein the driving tang comprises a securing thread ~~(28) which is fastened to the driving tang (40) is used for~~, and further comprising:

securing the first threaded insert ~~(19, 38)~~ in the installation tool ~~(20),~~ with the securing thread; and ~~in that~~

removing the cut-off driving tang ~~(40) is removed~~ from the installed first threaded insert ~~(19, 38) by means of~~ with the securing thread ~~(28)~~.

4. (Currently Amended) The method as claimed in ~~claims 1 to~~ Claim 3, ~~characterized in that~~ further comprising:

placing the first threaded insert ~~(19, 38) is brought into~~ in a predetermined installation position during the insertion into the installation tool ~~(20)~~.

5. (Currently Amended) The method as claimed in claim 4, ~~characterized in that~~ further comprising:

firmly arranging a second threaded insert ~~(33) is firmly arranged~~ in the installation tool ~~(20),~~; and

orienting the first threaded insert ~~(19, 38)~~ to be installed ~~being oriented~~, during ~~the~~ insertion into the installation tool ~~(20)~~, at said second threaded insert ~~(33)~~ relative to the predetermined installation position.

6. (Currently Amended) The method as claimed in ~~one of claims 1 to 5~~claim 1, ~~characterized in that the installation of~~ further comprising:

moving the first threaded ~~inserts (19, 38) is effected~~ insert through an inspection ~~ports (12, 15),~~port; and ~~in that the installation operation is monitored~~

optically monitoring the first threaded insert~~, in particular by means of a borescope (26)~~.

7. (Currently Amended) An installation tool ~~(20)~~ useful for carrying out the method as claimed in claim 1, ~~characterized by~~ the tool comprising:

a shaft ~~(21), on one~~ having a first end ~~of which~~ including

first means ~~(29; 30,...,34; 36, 39)~~ for ~~the~~ anti-rotation retention and guidance of a threaded insert, ~~(19, 38)~~ and ~~also~~

second means ~~(28)~~ for securing the first threaded insert ~~(19, 38)~~ in the first means ~~(30,...,34; 36, 39) are arranged~~.

8. (Currently Amended) The installation tool as claimed in claim 7, ~~characterized in that~~ wherein the first means ~~comprise~~ comprises a head ~~(29)~~ having an elongated circular-

cylindrical bolt ~~(30)~~, which bolt ~~(30)~~ has, at ~~the~~ a front end, a slotted section ~~(30)~~ for pushing the first threaded insert ~~(19, 38)~~ over ~~it~~the bolt.

9. (Currently Amended) The installation tool as claimed in claim 8, ~~characterized in that~~further comprising:

a hollow-cylindrical mounting sleeve having an internal thread;

a second threaded insert; and

wherein, below the slotted section ~~(36)~~, the bolt ~~(30)~~ is enclosed concentrically by ~~a~~ the hollow-cylindrical mounting sleeve ~~(32)~~ at a distance apart, ~~and in that the mounting sleeve (32) has an internal thread, into which a~~ the second threaded insert ~~(33)~~ is firmly screwed into the hollow-cylindrical mounting sleeve internal thread ~~in such a way~~ so that the first threaded insert ~~(19, 38)~~ pushed over the slotted section ~~(36)~~ abuts at ~~the~~ an end face against the second threaded insert ~~(33)~~ and is oriented at the second threaded insert ~~(33)~~.

10. (Currently Amended) The installation tool as claimed in claim 9, ~~characterized in that~~ wherein the first and second threaded inserts ~~(19, 38 and 33, respectively)~~ are of the same type.

11. (Currently Amended) The installation tool as claimed in ~~one of claims 7 to 10~~claim 7, ~~characterized in that~~ wherein the second means ~~comprise~~ comprises a securing thread ~~(28)~~ which is longitudinally passed through the installation tool ~~(20) in the longitudinal direction~~, is led out of the installation tool ~~(20)~~ at ~~the~~ a front end of the installation tool, ~~(20)~~ and can be connected to the first threaded insert ~~(19, 38)~~.

12. (Currently Amended) The installation tool as claimed in claim 11, ~~characterized in that~~ wherein the first means ~~comprise~~ comprises a head ~~(29)~~ having an elongated circular-cylindrical bolt ~~(30)~~, which bolt ~~(30)~~ has, at ~~the~~ a front end, a slotted section ~~(36)~~ for pushing the first threaded insert ~~(19, 38)~~ over ~~it~~the bolt, ~~in that~~ the bolt ~~(30) has~~ including a central through-

hole ~~(35)~~, and ~~in that~~ the securing thread ~~(28) is passed~~ passes through the central through-hole ~~(35)~~.

13. (Currently Amended) The installation tool as claimed in ~~either of claims 11 and~~ claim 12, ~~characterized in that~~ wherein the securing thread ~~(28)~~ is made of a tear-resistant material~~, preferably nylon®,~~ and has a diameter of ~~a few 1/10 mm, preferably~~ about 0.4 mm.

14. (Currently Amended) The installation tool as claimed in ~~one of claims 7 to 13~~claim 7, ~~characterized in that~~ wherein the shaft ~~(21) is composed of~~ comprises a plurality of tubular sections ~~(211, 212, 213) which are~~ arranged one behind the other and ~~are~~ releasably connected to one another.

15. (Currently Amended) The installation tool as claimed in claim 14, ~~characterized in that~~ further comprising:

a slot-shaped opening ~~(25)~~ extending in the longitudinal direction ~~is provided~~ in ~~the~~ a foremost section ~~(213)~~of the shaft, through which slot-shaped opening ~~(25)~~ a borescope ~~(26)~~ when running inside the shaft ~~(21)~~ can be passed outward~~,~~; and ~~in that~~

a supporting tube, ~~(27)~~ for supporting the borescope ~~(26)~~ when projecting from the shaft, ~~(21) is~~ arranged on the outside of the foremost section ~~(213)~~ in front of the opening ~~(25)~~.

16. (Currently Amended) The installation tool as claimed in claim 9, ~~characterized in that~~ wherein the mounting sleeve ~~(32)~~ is ~~designed~~ configured and arranged to be rotatable about the bolt ~~(30)~~ and ~~can~~ to be fixed in any desired rotary angle position ~~by fixing means (34, 37)~~.

17. (Currently Amended) The installation tool as claimed in ~~one of claims 7 to 16~~claim 7, ~~characterized in that~~ further comprising:

a driving tang arranged on the first threaded insert, configured and arranged to be cut off; and

_____third means ~~(28) are provided~~ for securing ~~a~~ the driving tang ~~(40) which is arranged on the first threaded insert (19, 38) and can be cut off~~.

18. (Currently Amended) The installation tool as claimed in claim 17, ~~characterized in that the~~ wherein the second means ~~(28) are at the same time provided as~~ comprises the third means.

19. (New) The method as claimed in claim 6, wherein monitoring comprises monitoring with a borescope.

20. (New) The installation tool as claimed in claim 16, further comprising:
fixing means for rotationally fixing the mounting sleeve to the bolt.